

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Aeronautics. London. v. 9. 1915.

Leedeboer, John H. The elements of aerodynamics and the theory of flight. I. Properties of the air and the work of the wind. II. The wind and its internal work. p. 76-78; 93-97. (Aug. 4, 11.)

British rainfall organization. British rainfall. London. 1914.

Isomeric rainfall maps of the British Isles. p. 25-44.

Fairgrieve, James. The rain-fields of the thunderstorm of June 14th, 1914. p. 48-56.

Engineering news. New York. v. 74. 1915.

Heron, Kenneth A. Evaporation and seepage from irrigation reservoirs. p. 294-295. (Aug. 12.)

An earthquake-proof concrete tower. p. 308-309. (Aug. 12.)

Erie rainstorm and flood. p. 326-329. (Aug. 12.)

Sargent, Edward H. Long-term rainfall records in New York state. p. 403. (Aug. 26.)

Galveston survives hurricane. p. 424-425. (Aug. 26.)

Babbitt, R. P. Effect of Galveston storm on seawall and cause-way. p. 427. (Aug. 26.)

Indian meteorological department. Memoirs. Calcutta. v. 19. 1915.

Harwood, W. A. A discussion of the anemographic observations recorded at Deesa from January 1879 to December 1904. p. 275-303.

Harwood, W. A. A discussion of the anemographic observations recorded at Karachi from January 1873 to December 1894. p. 307-335.

International institute of agriculture. Bureau of agricultural intelligence and plant diseases. Monthly bulletin. Rome. 6th year. May, 1915.

Day, Preston C. What the Weather bureau is doing in agricultural meteorology. p. 649-652.

Nature. London. v. 95. 1915.

Jordan, F. W. Experiment on sunset colours. p. 590-591. (July 29.)

A. J. Herbertson. [Obituary notice.] p. 623-624. (Aug. 5.)

Royal meteorological society. Quarterly journal. London. v. 41. July, 1915.

Duffield, W. Geoffrey. The meteorology of the sun. p. 177-200.

Clayton, H. Helm. A study of the moving waves of weather in South America. p. 201-208.

Chapman, Ernest H. The correlation between changes in barometric height at stations in the British Isles. p. 209-229.

Scientific American supplement. New York. v. 80. August 14, 1915.

The preview of earthquakes. Conditions from which seismic disturbances may be foretold. p. 98-99.

Swaine, William. Dust. What it is, what it does and the reason for its being where it is. p. 102-103. [Reprint from Knowledge.]

Icebergs and their detection. The international patrol and the valuable work accomplished by it. p. 110-111. [Extract from U. S. Coast guard, Bull. 3.]

Smithsonian institution. Annual report. Washington. 1914.

Marais, Eugène N. Notes on some effects of extreme drought in Waterberg, South Africa. p. 511-522. [Describes especially the effect on animal life and vegetation.]

Schuchert, Charles. Climates of geologic time. p. 277-311. [Revised and reprinted from E. Huntington's "The climatic factor."]

Terrestrial magnetism and atmospheric electricity. Baltimore. v. 20. March, 1915.

Störmer, Carl. Preliminary report on the results of the aurora-polaris expedition to Bossekop in the spring of 1913. p. 1-12.

Swan, W. F. G. The atmospheric-electric observations on the third cruise of the Carnegie, 1914. p. 13-48.

Wireless world. London. v. 8. August, 1915.

Dowsett, H. M. The physical and electrical state of the atmosphere. p. 278-282.

*Académie des sciences. Comptes rendus. Paris. tome 161. 2 août 1915.*Chudeau, René. La température en Afrique occidentale et équatoriale. p. 106-109. *Annalen der Hydrographie und maritimen Meteorologie. Berlin. 43. Jahrgang. Heft 7, 1915.*

Hesselberg, Th. Über oszillatorische Bewegungen der Luft. p. 311-317.

Meteorologische Zeitschrift. Braunschweig. Band 32. Juli 1915.

Róna, Sigmund. Isanomalen des September 1912 und des Juli 1913. p. 289-298. [Presents charts of temperature isanomals (not isanomals) for Europe during two unusually cool months.]

Range, Paul. Neue Temperaturbeobachtungen aus dem Süden Deutsch-Südwest-Afrikas. p. 298-307.

Hellmann, Gustav. Überschätzung und richtige Bewertung lokaler meteorologischer Einflüsse. p. 307-311.

Hesselberg, Th. Über den Zusammenhang zwischen Druck und Temperaturschwankungen in der Atmosphäre. p. 311-318.

Exner, Felix M. Vertikale Temperaturverteilung als Effekt des Umsturzes der Strahlungsschichten. p. 318-322.

Switzerland. Meteorologische Zentral-Anstalt. Annalen. Zürich. 1913.

Billwiller, R. Der walliser Talwind. Anhang Nr. 7.

Hemel en Dampkring. Den Haag. 13. Jaargang. Juli 1915.

Gulik, D. van. Parc-snoerblieksems. p. 37-38.

Netherlands. K. Meteorologisch instituut. Mededeelingen en verhandelingen. Utrecht. no. 19. 1915.

Gallé, P. H. Waarneningen in den N. Atlantischen Oceaan in Mei 1914, hoofdzakelijk ter vergelijking van gemeten en geschatte windkracht en windrichting. p. 3-31.

Pontificia accademia romana dei Nuovi Lincei. Memorie. Roma. v. 32. 1914.

Galli, Ignazio. Effetti dei fulmini globulari sull'uomo e sugli animali. Memoria quinta. p. 223-341.

Sociedad de geographia. Boletín. Lisboa. 33. sér. Fevereiro 1915.

Dalgado, D. G. The climate of Portugal. p. 88-91.

K. Svenska vetenskapsakademien. Arkiv för matematik, astronomi och fysik. Stockholm. Band 10. Hæfte 1-2. 1914.

Ekholm, Nils. Über die monatliche Luftdruckschwankungen und deren Beziehung zu den monatlichen Lufttemperaturschwankungen, der Luftfeuchtigkeit und der geographischen Breite. p. 1-11. (no. 3.)

Cederberg, Ivar F. Über die Berechnung von Dampfdruckkurven Erste Mitteilung. p. 1-71. (no. 7.)

NOTES FROM THE WEATHER BUREAU LIBRARY.

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A TENTATIVE CLASSIFICATION FOR METEOROLOGICAL LITERATURE.

(Adapted from the scheme used in the International Catalogue of Scientific Literature.)

By Miss ELEANOR BUYNITZKY.

00 General works

Philosophy, theories, etc.

01 Mythology. History

02 Biography

03 Dictionaries. Encyclopedias

04 Periodicals. Reports of institutions, societies, etc.

05 Bibliographies

06 General treatises, text-books, etc.

07 Addresses, lectures, etc., of a miscellaneous character

08 Study and teaching

09 Expeditions. Travels

10 Observatories. Methods of observation

11 Construction, equipment and inspection of observatories

12 Instructions for observers

13 Tables for reductions

14 Computation of mean results

15 Applications of the theory of probability

16 Periodicity, analysis and computation